

WHAT IS CLAIMED IS:

1. A process of recycling litter to make fertilizer, comprising:
 - pasteurizing raw material comprising poultry litter;
 - drying the pasteurized material;
 - reducing the dried material to a powder; and
 - pelleting the powder to granular and homogenized pellets.
2. A fertilizer produced according to the process of claim 1.
3. The process of claim 1, further comprising scrubbing the litter to reduce odor.
- 10 4. The process of claim 1, wherein the litter is heated from about 180°F to 225°F during the pasteurizing stage.
5. The process of claim 1, wherein the pellets are about 1 mm to 6.5 mm long.
- 15 6. The process of claim 1, wherein the pellets comprise of organic matter and humus.
7. The process of claim 1, further comprising entrapping odor of the litter.

8. The process of claim 3, wherein scrubbing the litter produces moisture.
9. The process of claim 8, wherein the moisture from scrubbing is captured and re-used in the pelleting stage.
10. A poultry litter fertilizer manufacturing system, comprising:
- 5 a raw material ventilation system including a scrubber for treating air by removing odor from the air;
- 10 a dryer system for pasteurizing raw material comprising poultry litter, drying the pasteurized material, and reducing the dried material to a powder; and
- a pelleting system for producing granular and homogenized pellets from the powder.
11. The system of claim 10, wherein the air treating by the scrubber produces moisture.
- 15 12. The process of claim 11, wherein the moisture from the air treating is captured and re-used in the pelleting system.
13. The process of claim 10, wherein the pelleting system comprises two pellet mills, each pellet mill capable of producing 10 tons of pellets per hour.

14. The process of claim 10, further comprising a finish area ventilation system for cooling and storing the pellets.

15. The process of claim 10, wherein the dryer system heats the raw material from about 180°F to 225°F during pasteurization.

5 16. The process of claim 10, wherein the pellets are about 1 mm to 6.5 mm long.

17. The process of claim 10, wherein the pellets comprise of organic matter and humus.